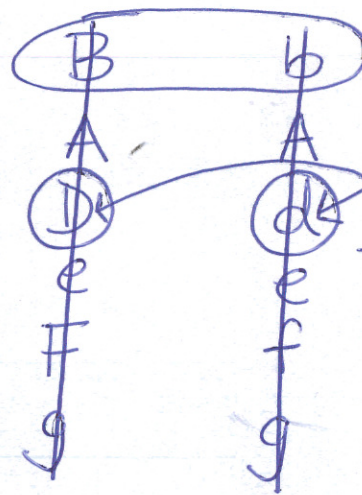
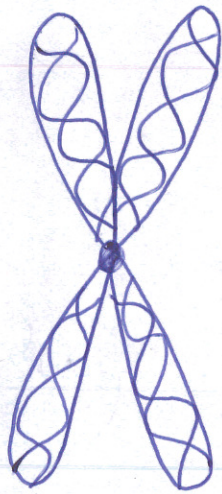


Genes & Alleles



Punnett Square

BB x bb
mom dad
└───┘
cross

	25%	25%
	25%	25%

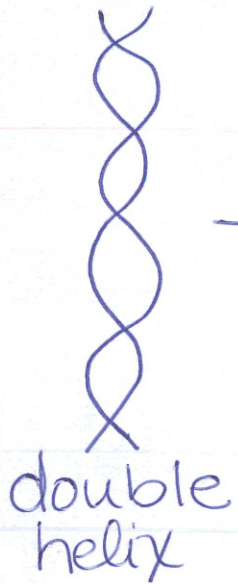
Bb x Bb
mom dad

	25%	25%
	25%	25%

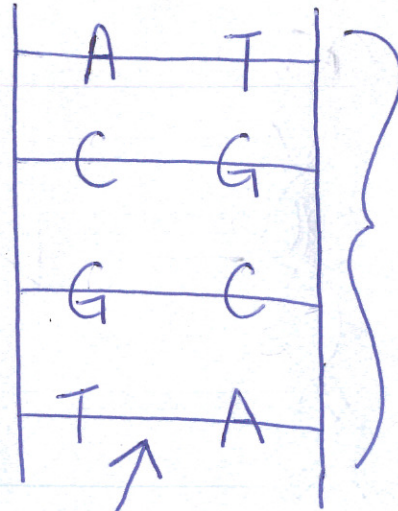
Bb x bb
mom dad

	25%	25%
	25%	25%

DNA Make-up



untwist →



(sides)

Pedigree Symbols

○ = _____

□ = _____

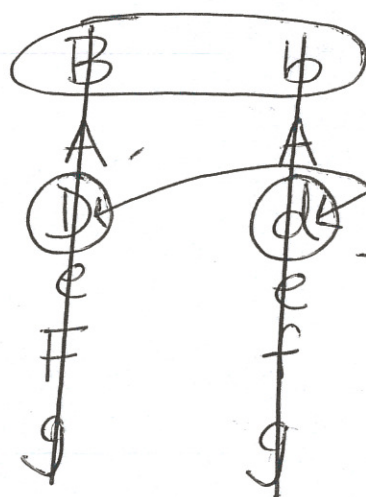
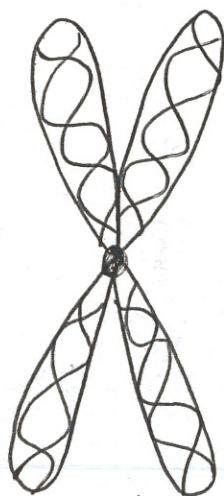
— = _____

// = _____

┌─┐ = _____

└─┘ = _____

Genes & Alleles KEY



gene

alleles

Punnett Square

BB x bb
mom dad
cross

	B	B
b	Bb 25%	Bb 25%
b	Bb 25%	Bb 25%

100% hybrid
100% heterozygous
100% dominant

Bb x Bb
mom dad

	B	b
B	BB 25%	Bb 25%
b	Bb 25%	bb 25%

25% homozygous (pure) dom.
25% homozygous (pure) recess
50% hetero (hybrid) dominant

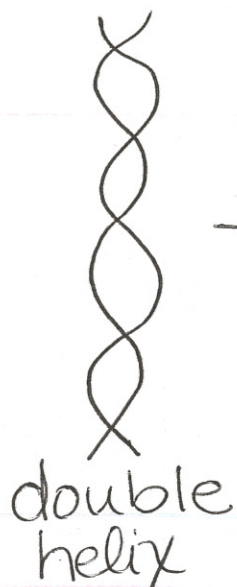
75% dominant

Bb x bb
mom dad

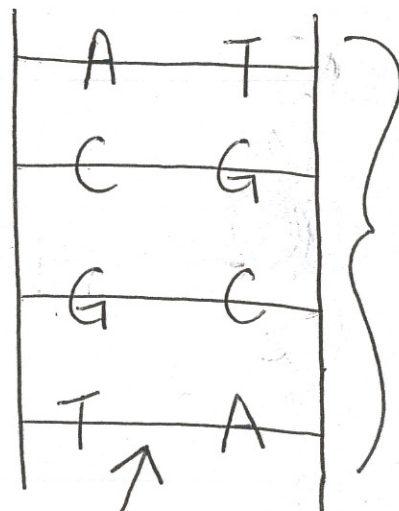
	B	b
B	Bb 25%	bb 25%
b	Bb 25%	bb 25%

50% hybrid hetero dominant
50% homo recess pure

DNA Make-up



untwist →



rungs = nucleotides

Pedigree Symbols

○ = female

□ = male

— = married/together

—#— = divorced/separated

┌
└ = children

└
└ = twins